

IN THE CLAIMS:

Please find a listing of the claims below, with the statuses of the claims shown in parentheses. This listing will replace all prior versions, and listings, of claims in the present application.

1. (Currently Amended) A remote-controllable time-based power control apparatus, comprising:

a remote controller (1) provided with keys to set an operating time of an electronic appliance and to wirelessly transmit setting information for the operating time to control means (3) connected to a plug (2) ~~in a wireless manner~~, the remote controller (1) ~~comprising~~ including a display unit (12) and a signal tone generating unit (13) for visually and aurally informing a user of power control information transmitted from the control means (3);

the plug (2) for supplying a power to the electronic appliance; and

the control means (3) ~~comprising~~ including a wireless transmitting unit (31) and a wireless receiving unit (32) for communicating wireless data with the remote controller (1), a memory (35) for storing therein registered code information of the remote controller (1) and preset operating time information transmitted from the remote controller (1), a clock generating unit (36) for generating clock signals at regular time periods, a direct current (DC) power unit (38) for converting an alternating current (AC) power input to the plug (2) into a Direct Current (DC) power and supplying the DC power as an internal drive power, ~~a second~~ an MPU (42) for performing real-time counting using by counting the clock signals generated by the clock generating unit (36) and outputting a control signal to shut off the power when a counted value is identical with the preset operating time transmitted from the remote controller (1) and stored in the memory (35), whether the counted value is identical with the

preset operating time transmitted from the remote controller being determined by comparing the counted value with the preset operating time, a power control unit (40) for controlling a transistor (Q1) to be turned on/off in response to the control signal output from the second MPU (42), and the transistor (Q1) turned on/off in response to a control signal output from the power control unit (40) to turn off a relay switch (41) connected to a power line at one end of the plug (2), the control means (3) controlling the electronic appliance to be automatically turned off after the electronic appliance is has been operated for the preset operating time transmitted from the remote controller (1).

2. (Currently Amended) The remote-controllable time-based power control apparatus according to claim 1, wherein:

the control means (3) further comprises a load detecting unit (39) arranged on an output side of the relay switch (41) to detect a load due to the operation of the electronic appliance; and

the second MPU (42) recognizes that the electronic appliance is operated only when the load detecting unit (39) detects a load, and counts an actual operating time using by counting the clock signals generated by the clock generating unit (36).

3. (Currently Amended) The remote-controllable time-based power control apparatus according to claim 1, wherein:

the control means (3) further comprises a low voltage detecting unit (37) for detecting an abnormal fluctuation in the power input to the plug (2) and providing the detected results to the second MPU (42); and

and the second MPU (42) is reset after storing a value, obtained by counting an actual operating time until a voltage fluctuation signal is input from the low voltage detecting unit (37), in the memory (36), and then continuously ~~events~~ counts ~~counting a~~ the remaining operating time on the basis of the operating time counting value stored in the memory (35) after being reset.

4. (Currently Amended) The remote-controllable time-based power control apparatus according to claim 1, wherein the control means (3) wirelessly transmits ~~the~~ a remaining operating time of the power plug (2) and ON/OFF status information of the power to the remote controller (1), ~~in a wireless manner, thus allowing the user to monitor the information being displayed through on~~ the display unit (12) of the remote controller (1).

5. (Currently Amended) The remote-controllable time-based power control apparatus according to claim 1, wherein the control means (3) transmits a predetermined alarm signal to the remote controller (1) when in response to a ~~the~~ remaining operating time is being less than a predetermined time, ~~thus and~~ outputting an alarm through the signal tone generating unit (13) of the remote controller (1).

6. (New) A remote-controllable time-based power control apparatus, comprising:
a remote controller provided with keys to set an operating time of an electronic appliance and to wirelessly transmit setting information for the operating time to control means connected to a plug, the plug supplying power to the electronic appliance; and

the control means including a wireless transmitting unit and a wireless receiving unit for communicating wireless data with the remote controller, a clock generating unit for generating clock signals at regular time periods, an MPU for performing real-time counting by counting the clock signals generated by the clock generating unit and for outputting a control signal to shut off the power to the electronic appliance in response to a counted value being identical with a preset operating time transmitted from the remote controller by comparing the counted value with the preset operating time, the control means controlling the electronic appliance to be automatically turned off after the electronic appliance has been operated for the preset operating time transmitted from the remote controller.